

1/8

Figure 1a

atgcagaaggaagtggagcagaactctggacccctcagtgttccagagggagccatt
gcctctctcaactgcacttacagtgaccgaggttcccagtccttcttctggtacaga
caatattctgggaaaagccctgagttgataatgtccatatactccaatggtgacaaa
gaagatggaagggtttacagcacagctcaataaagccagccagtatgtttctctgctc
atcagagactcccagcccagtgattcagccacctacctctgtgccgttacaactgac
agctgggggaaattgcagtttggagcagggacccaggttgtgggtcaccccagatatc
cagaaccctgaccctgccgtgtaccagctgagagactctaaatccagtgacaagtct
gtctgcctattcacgattttgattctcaacaaatgtgtcacaaagtaaggattct
gatgtgtatatcacagacaaatgtgtgctagacatgaggtctatggacttcaagagc
aacagtgctgtggcctggagcaacaaatctgactttgcatgtgcaaacgccttcaac
aacagcattattccagaagacaccttcttccccagcccagaaagttcctaa

Figure 1b

atgaacgctgggtgtcactcagacccccaaaattccaggtcctgaagacaggacagagc
atgacactgcagtgtgcccaggatatgaaccatgaatacatgtcctgggtatcgacaa
gaccaggcatggggctgaggctgattcattactcagttgggtgctgggtatcactgac
caaggagaagtccccaatggctacaatgtctccagatcaaccacagaggatttcccg
ctcagggtgctgtcgggtgctccctcccagacatctgtgtacttctgtgccagcagg
ccgggactagcgggagggcgaccagagcagtacttcggggccgggcaccagggtcacg
gtcacagaggacctgaaaaacgtgttcccacccgaggtcgctgtgtttgagccatca
gaagcagagatctcccacacccaaaaggccacactgggtgtgcctggccacaggcttc
taccctgaccacgtggagctgagctgggtgggtgaatgggaaggaggtgcacagtggg
gtctgcacagaccgcagccctcaaggagcagcccgccctcaatgactccagatac
gctctgagcagccgcctgaggggtctcgccaccttctggcaggacccccgcaaccac
ttccgctgtcaagtccagttctacgggctctcggagaatgacgagtggaaccaggat
agggccaaacccgtcacccagatcgtcagcgccgaggcctggggtagagcagactaa

Figure 2a

MQ

K₁EVEQNSGPL SVPEGAIASL NCTYSDRGSQ SFFWYRQYSG KSPELIMSIY
SNGDKEDGRF TAQLNKASQY VSLLIRDSQP SDSATYLCAV TTDSWGKLQF
GAGTQVVVTP DIQNPDPAVY QLRDSKSSDK SVCLFTDFDS QTNVSQSKDS
DVYITDKCVL DMRSMDFKSN SAVAWSNKSD FACANAFNNS IIPEDTFFPS
PESS*

Figure 2b

M

N₁AGVTQTPKF QVLKTGQSMT LQCAQDMNHE YMSWYRQDPG MGLRLIHYSV
GAGITDQGEV PNGYNVSRST TEDFPLRLLS AAPSQTSVYF CASRPGLAGG
RPEQYFGPGT RLTVTEDLKN VFPPEVAVFE PSEAEISHTQ KATLVCLATG
FYPDHVELSW WVNGKEVHSG VCTDPQPLKE QPALNDSRYA LSSRLRVSAT
FWQDPRNHFR CQVQFYGLSE NDEWTQDRAK PVTQIVSAEA WGRAD*

P G G G S G G G G S G G G G
CCC GGG GGT GGC TCT GGC GGT GGC GGT TCA GGC GGT GGC GGA
GGG CCC CCA CCG AGA CCG CCA CCG CCA AGT CCG CCA CCG CCT

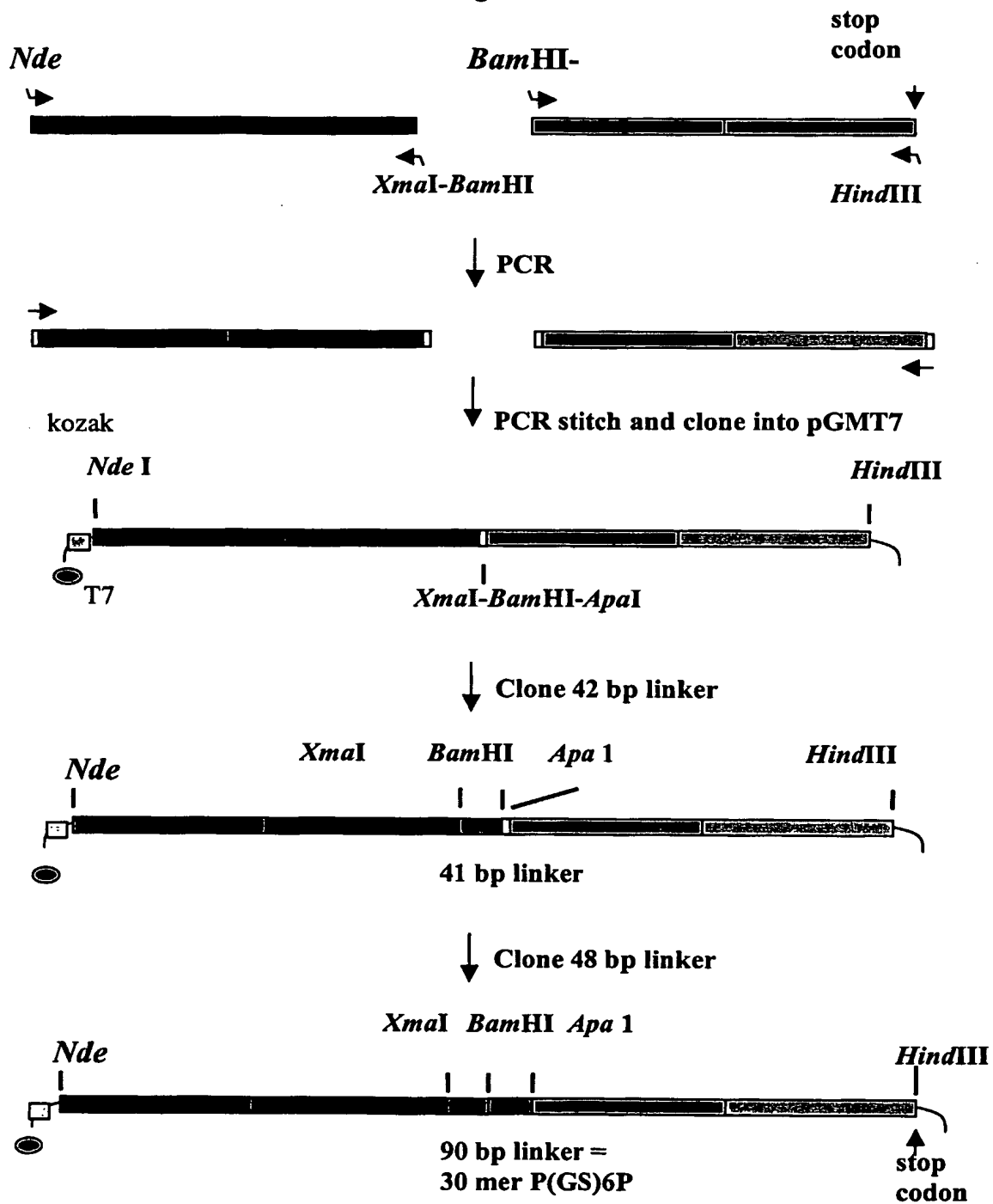
S G G G G S G G G G S G G G
TCC GGC GGT GGC GGT TCG GGT GGC GGT GGC TCA GGC GGT GGC
AGG CCG CCA CCG CCA AGC CCA CCG CCA CCG AGT CCG CCA CCG

G P
GGG CCC
CCC GGG

Figure 3

4/8

Figure 4



5/8

Figure 5a

atgcagaaggaagtggagcagaactctggaccctcagtggtccagaggagccattgcctctctcaactgcacttacagtgaccgaggttcccagtccttcttctggt
acagacaatatctgggaaagccctgagttgataatgtccatatactccaatggtgacaaagaagtgaaggtttacagcacagctcaataaagccagccagctatgt
ttctctgctcatcagagactcccagccagtgattcagccacctacctctgtgccgttacaaactgacagctgggggaaattgcagtttggagcaggggacccaggttgtg
gtcacccagataccagaacctgacctgccgtgtaccagctgagagactctaaatccagtgacaagtctgtctgcctattcaccgatttttgattctcaaacaaatg
tgtcacaaagtaaggattctgatgtatatacacagacaaatgtgtgttagacatgaggtctatggacttcaagagcaacagtgctgtggcctggagcaacaaatctga
ctttgcatgtgcaaacgccttcaacaacagcaattattccagaagacaccttcttccccagccagaaagtccccccgggggtggtctggcgtggcgttcaggcgggt
ggcggatccggcgtggcgggttcgggtggcgtcaggcgggtggcggggcccaacgcgtggtgtcactcagaccccccaaaatcccaggctctgaagacaggaagca
tgacactgcagtggtgccaggatatgaaccttgaaatacatgtcctggtatcgacaagacccagggcatggggtgaggtgattcattactcagttggtgctggtatcac
tgaccaaggagaagtccccaatggctacaatgtctccagatcaaccacagaggatttccccgtcaggctgctgtcggtgctctccctccagacatctgttacttctgt
gccagcagggcgggactagcgggaggcgaccagagcagtagtacttcgggcccggccaccaggctcacggtcacagaggacctgaacaaacgtgttccccccgaggtcgtg
tggttgagccatcagaagcagagatctcccacaccccaaaaggccacactggtgtgcctggccacaggtcttaccgccacacgtggagctgagctggtgggtgaatgg
gaaggaggtgcacagtggtggtctgcacagaccgcagccctcaaggagcagcccgccctcaatgactccagatacgtctgagcagcgcctgaggggtctcggccacc
ttctggcaggaccccccaaccacttccgctgcaagtccagttctacgggctctcgagaaatgacgagtgaccaggtgagggcacaacccgtcaccacagatcgtca
gcgccaggcctgggttagagcagactaa

Figure 5b

MQKEVEQNSGPLSVPEGAIASLNCITYSDRGSQSFFWYRQYSGKSPELIMSIYNSGDKEDGR
FTAQLNKASQYVSLLRDSQPSDSATYLCVTTDSWGKLQFGAGTQVVVTPDIQNPDPAV
YQLRDSKSSDKSVCLFTDFDSQTNVSQKSDSVYITDKCVLDMRSMDFKSNSAVAWSNKS
DFACANAFNNSIIPEDTFFSPESPSSPGGGSGGGSGGGSGGGSGGGGPNAGVT
QTPKFQVLKTGQSMTLQCAQDMNHEYMSWYRQDPGMGLRLIHYSVGAGITDQGEVPNG
YNVSRSTEDFPLRLLSAAPSQTSVYFCASRPGLAGGRPEQYFGPGTRLTVTEDLKNVFP
EAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWVNGKEVHSGVCTDPQPLKEQPAL
NDSRYALSSRLRVSAFWQDPRNHFRCCVQFYGLSENDEWTQDRAKPVVTQIVSAEAWGR
AD Stop

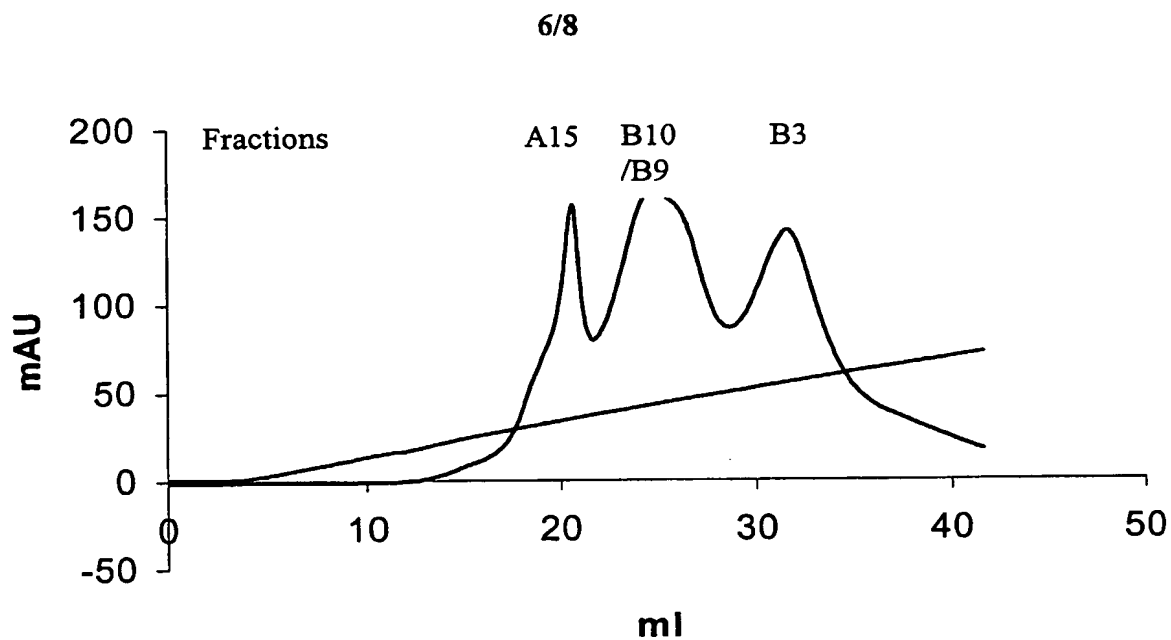


Figure 6

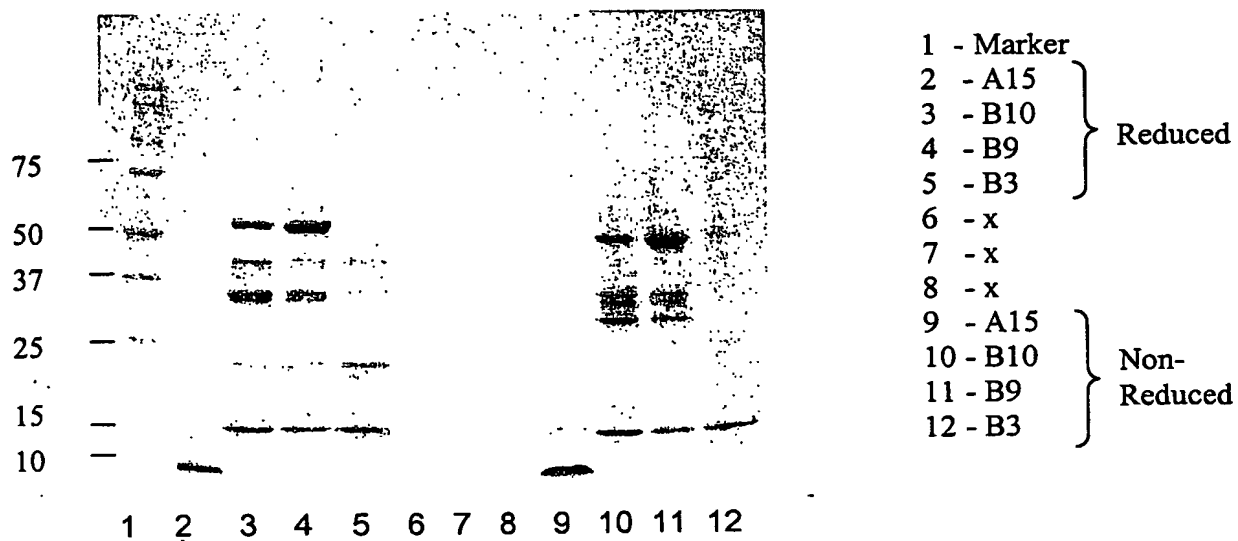


Figure 7

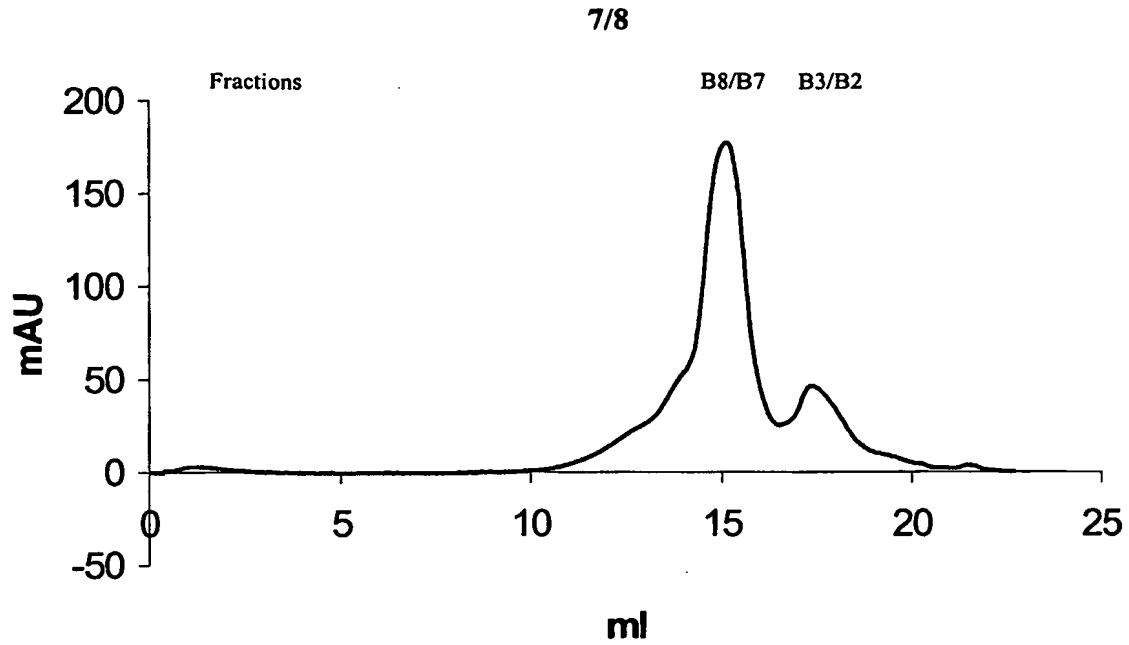


Figure 8

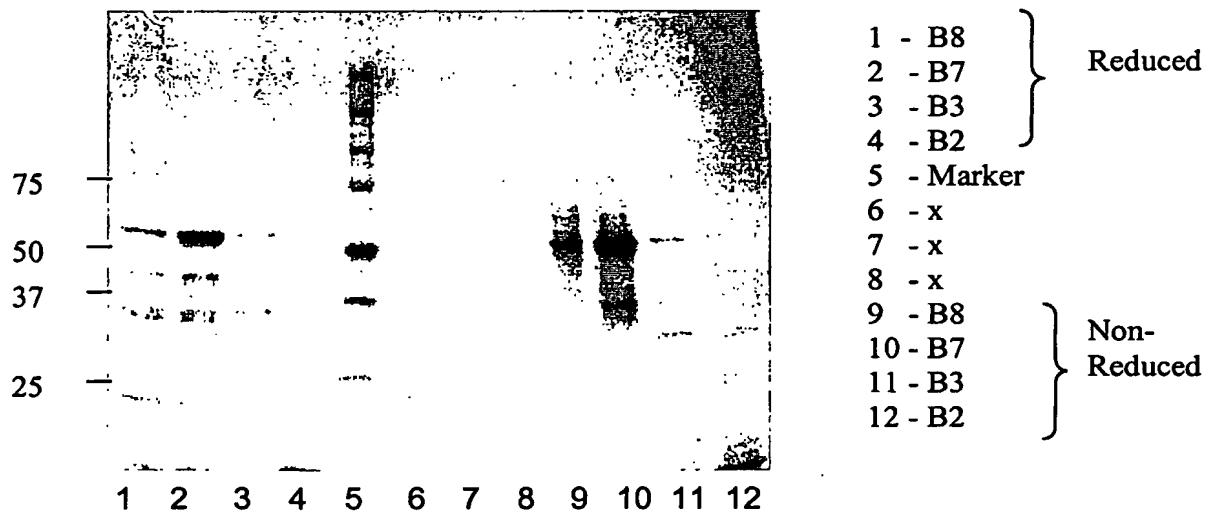


Figure 9

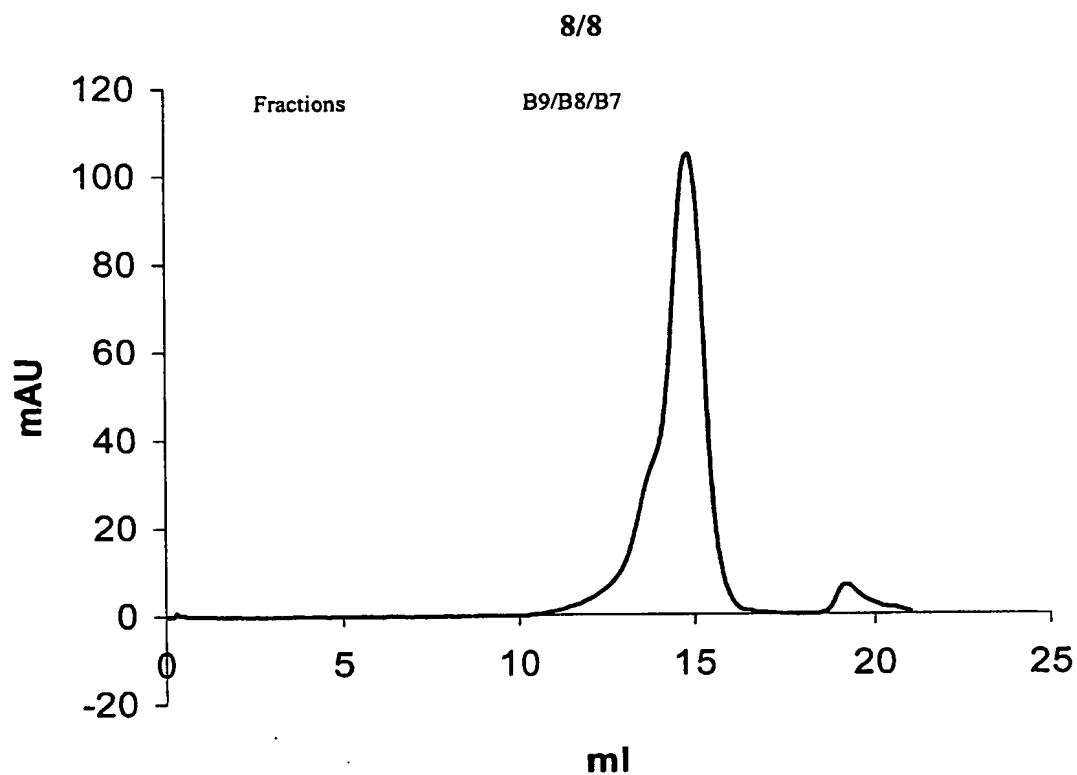


Figure 10

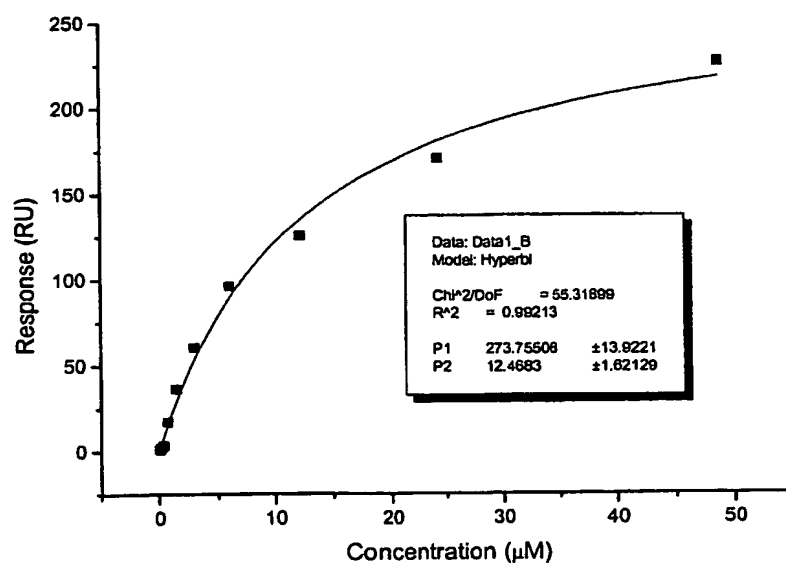


Figure 11